

**BEST AVAILABLE COPY****POLYESTER COMPOSITION AND MOLDED ITEM PRODUCED THEREFROM**

**Patent number:** JP9272793  
**Publication date:** 1997-10-21  
**Inventor:** SHIMIZU YUZO; SUZUKI MASARU  
**Applicant:** TORAY INDUSTRIES  
**Classification:**  
**- International:** C08L67/02; C08J5/18; C08K3/26; C08K3/32;  
C08K5/521; C08K5/524; C08K5/5313; C08K5/5333  
**- european:**  
**Application number:** JP19960083711 19960405  
**Priority number(s):** JP19960083711 19960405

**Report a data error here**

**Abstract of JP9272793**

**PROBLEM TO BE SOLVED:** To obtain a molded item improved in whiteness, opacity, and luster by kneading a phosphorus compd. with a polyester contg. inorg. particles and fine polyester particles.  
**SOLUTION:** One (1)-90wt.% at least one phosphorus compd. selected from among phosphoric acid, phosphorous acid, phosphinic acid, phosphonic acid, and their esters is fed together with a polyester contg. 0.01wt.% or higher (based on the phosphorus compd.) inorg. particles having an average particle size of 0.01-20 $\mu$ m and fine polyester particles having a particle size of 8 mesh or lower (by JIS standard sieves) to a vented extruder to be kneaded, thus giving a polyester compsn. having a phosphorus content of 100ppm or higher. An unstretched sheet obtd. by melt extruding the compsn. is biaxially stretched two- to five-fold in the longitudinal and transverse directions and then thermally treated to give a molded item having a density of 1.40g/cm<sup>3</sup> and a whiteness of 60% or higher.

Data supplied from the esp@cenet database - Worldwide